



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:) Group Art Unit: 2631
Xia et al.) Examiner: Khanh Tran
)
Title: ADAPTIVE EQUALIZER HAVING A)
VARIABLE STEP SIZE INFLUENCED)
BY OUTPUT FROM A TRELLIS)
DECODER)
)
Serial No.: 10/701,047)
)
Filed: November 4, 2003) Our Docket No. 31075-128

Springfield, Massachusetts

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant(s) submits herewith Form PTO-1449 identifying patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313.


Kim M. Hume

10/20/05
Date

Application Serial No.: 10/701,047
Docket No. 31075-128

Under 37 CFR 1.97 (b)

☒ This Information Disclosure Statement is being filed within three months of the filing date of the application, or the date of entry into the national stage of an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last.

Under 37 CFR 1.97 (c)

☐ This Information Disclosure Statement is being filed *after* three months of the filing date of this national application, or the date of entry into the national stage as set forth in §1.491 in an international application, or after the mailing date of the first Office Action on the merits, whichever event occurred last, but *before* the mailing date of either a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.

- ☐ A certification as specified in 37 CFR 1.97(e) is set forth below, or
- ☐ Fee as set forth in 37 CFR 1.17(p) (\$180.00).

Under 37 CFR 1.97(d)

☐ This Information Disclosure Statement is being filed *after* a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first, but before, or simultaneously with, the payment of the issue fee. Applicant hereby petitions for the consideration of this Information Disclosure Statement, 37 CFR 1.97(d)(ii). A certification as specified in 37 CFR 1.97(e) is set forth below.

- ☐ A certification as specified in 37 CFR 1.97(e) is set forth below, and
- ☐ Fee as set forth in 37 CFR 1.17(p) (\$180.00)

CERTIFICATION (37 CFR 1.97(e))

☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement. A copy of the relevant search report is enclosed herewith.

☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Application Serial No.: 10/701,047
Docket No. 31075-128

Applicants respectfully request that any deficiencies in the fees be charged to Deposit
Order Account No. 50-3381.

Respectfully submitted,

By: 

Patrick J. O'Shea
Registration No. 35,305
O'Shea, Getz & Kosakowski, P.C.
1500 Main Street, Suite 912
Springfield, Massachusetts 01115
413-731-3100

FORM PTO-1449 (Rev. 5/92) O'SHEA, GETZ & KOSAKOWSKI, P.C.
1500 Main Street, Suite 912
Springfield, MA 01115
Telephone: (413) 731-3100

ATTORNEY DOCKET NO.
31075-128

SERIAL NO. 10/701,047

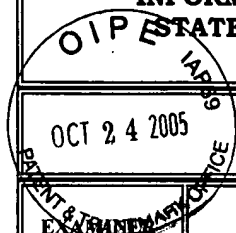
APPLICANT: Xia et al.

GROUP: 2631

FILING DATE: November 4, 2003

EXAMINER: Khanh Tran

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,058,047	10/15/1991	Chung			
	B	5,127,051	6/30/1992	Chan et al.			
	C	5,142,551	8/25/1992	Borth et al.			
	D	5,278,780	1/11/1994	Eguchi			
	E	5,668,831	9/16/1997	Claydon et al.			
	F	5,781,460	7/14/1998	Nguyen et al.			
	G	5,877,816	3/2/1999	Kim			
	H	6,012,421	1/11/2000	Kusche et al.			
	I	6,141,384	10/31/2000	Wittig et al.			
	J	6,240,133	5/29/2001	Sommer et al.			
	K	6,483,872	11/19/2002	Nguyen			
	L	6,570,919	5/27/2003	Lee			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	M						
	N						
	O						
	P						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	Q	De Haan et al. "DeInterlacing-an Overview", Proceedings of the IEEE, Vol. 86, No. 9, Pages 1837-1856 (Sept. 1998)
	R	De Haan et al. "De-Interlacing of Video Data", IEEE Transactions on Consumer Electronics, Vol. 43, No. 3, Pages 819-824 (Aug. 1997)
	S	Wang et al. "Time-Recursive DeInterlacing for IDTV and Pyramid Coding", Elsevier Science Publishers B. V., Vol. 2, No. 3, Pages 365-374 (Oct. 1990)

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Rev. 5/92) O'SHEA, GETZ & KOSAKOWSKI, P.C. 1500 Main Street, Suite 912 Springfield, MA 01115 Telephone: (413) 731-3100 INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY DOCKET NO. 31075-128 APPLICANT: Xia et al. FILING DATE: November 4, 2003	SERIAL NO. 10/701,047 GROUP: 2631 EXAMINER: Khanh Tran
---	--	--

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	A	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	6,573,948	6/3/2003	Limberg			
	B	6,665,695	12/16/2003	Brokish et al.			
	C	6,724,844	4/20/2004	Ghosh			
	D	6,829,298	12/7/2004	Abe et al.			
	E	2002/0051498	5/2/2002	Thomas et al.			
	F	2003/0206600	11/6/2003	Vankka			
	G	2004/0057538	3/25/2004	Sathiavageeswaran et al.			
	H						
	I						
	J						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	K	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	K						
	L						
	M						
	N						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	O	
	O	
	P	
	Q	
	R	
EXAMINER	DATE CONSIDERED	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.